	t. of Environmental Pr temediation and Waste Man		Project Name. Drilling Method:	PBWO/Casco Drive & Wash	Location	1 of 1	- 4500,	Maine	_
	on of Technical Services		Bit Diameter:	3 7/8"	Boring		MW-19.	Δ	
	BORING/WELL		Casing Diameter:	4"	Logge		H.Ando		
-000	DOMINO/WELL		Total Depth:	70'					
-	- A	1	Sampling Method:		Drilling	Contractor:			ng
	- e 👺 e 💳			cuttings	Driller:	-	M.Nade	eau	
			Water Level:	16.18' bgs	Latitud				1
-			Start Time/Date:		Longitu				
-			End Time/Date:			e Elevation:			_
			Discharge Rate:	44.51		Elevation:	I mail		
			Casing Depth: Drilling Water Source:	14.5' Crooked River		to Bedrock:		0/0005	
ime	Depth (ft. bgs)		DESCRIPTION	Crooked River	Date:	WELL CON		0/2005 CTION	
10:40	7'	17 11 11 15 15	refusal w/HSA, switching over to	solid stem augers	N. Year	第一点 一次市			
10:50	15'		fine tan Sand w/some co				+3		SURF
11:05	17'		refusal/ switching over to dri					7	CASIN
11:37			Casing down to 14.5, begin						
12:50	17.5'		cuttings are pink gra				•		. 6
13:10	23.5'		cuttings indicate pink g				SUIL		UIL
	27.5-28"		soft; silty clay blobs in o	uttings		- a	111	1	111
13:47	39'		pink granite						
15:05	60-61'		Possible fracture - very fast drilling,						
	63.5'	lit	hologic change - possible basalt - r						
	66'		Driller reports fracture (			TILL			
45.07	67' 68.5'		lithologic change - pink	granite					
15:37	0.00		The second secon			-1 <del>7</del>	,-		17
15:50	<del>                                     </del>		out of water - resume drilling	tomorrow		, , , ,			1,
9:00	70'	Septembe	r 20, 2005 - resume drilling - flushe	d borehole with clean water				$\vdash$	_
		оринос	will set well from 58 - 68			BRX		$\vdash$	+
						יאיט			-
							7	<del>    ,</del>	
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						- 54'			
						57	11	7	SEAL
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						FRX@ 66'	3 %	12	
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						Schán: 1	68 	dwb	
						Schánn: 1	68 	dwb	

<b>,</b>	laine	Casco, N	n:	Locatio		PBWO/Ca	lame:	P	Management	t. of Environmen	Bureau - 45
		T. 1144 + 2 = =	1_of_1_	Sheet	ash	Drive & W	Method:	B		emediation and Wa	
		MW-19B		Boring	-	3 7/8"	eter:			on of Technical Ser	
	sek	H.Andols	Ву:	Logged		4"	Diameter:		-	BORING/WE	LOG OI
ring	est Borin	Northern Te	Contractor:	Drilling		31'	oth:	To		- 1	
	и	M.Nadeau		Driller:		cuttings	Method:			- e 🕍 a	
				Latitude		18.25' bgs	vel:				
				Longitu			e/Date:				
			Elevation:				e/Date:				
			Elevation:				e Rate:	Di			
		17'	Bedrock:	Depth to		14.5'	epth:	Ca			
		9/20/2		Date:	er	Crooked Riv	ater Source:	Dr			
	ΓΙΟΝ	NSTRUCT	WELL CO				SCRIPTION			Depth (ft. bgs)	ſime
			222120			ling	gin drive & wash dri				10:35
							rilling - broken auto-l				11:15
1-31		- 18	Chorace -				ume drilling - pink gr			16'	13:00
-1-5-	7	-16	CASING				ier reports fracture (			20.5'	
			11				DRF			23.5'	
6.5	11						DRF			26.8'	
	1:50	192					completed boring			31'	13:25
7	111	111									
1	12	10									
3	10	C4177W65									
-	Chittin	18									
:	2	3	TILL							<del> </del>	
	1		9200000								
<del> </del> ,			SEAL								
-16	1	1	-17'		_					<b> </b>	
100			1110							-	
-19'	-//	1/2	7.7			-					
1 1	;	:::	BRX								
	-31										
166		1::-									
	1.5	10.3		-							
	12				-						
FRAC		1.7									
-	1.0.										
	16	1.7									
	133	1.1									
-31		1:									
15.21	-										
	UST	10-51	SCREEN :								
			FILTER !								
tios	15 CHI	KNITCHITT	STEAL: B								

Maine Dep	t. of Environmen	tal Protection	Project Name:	PBWO/Casco	Location	):	Casco, Maine	
	Remediation and Was on of Technical Servi		Drilling Method:	Solid Stem Auger	Sheet_1		T	
	on of Technical Servi		Bit Diameter:	4"	Boring N		MW-19C	
LOG OF	- BOKING/WE	LL	Casing Diameter:	NA I	Logged	Ву:	H.Andolsek	
	- KA		Total Depth:	13'	Drilling C	Contractor:	Northern Test Boring	
	- g 🦃 g		Sampling Method:	cuttings	Driller:		M.Nadeau	
			Water Level:	4.56' bgs	Latitude:			
			Start Time/Date: End Time/Date:		Longitud			
					Surface	Elevation:		
			Discharge Rate: Casing Depth:	NA	Casing E	levation:	101	
			Drilling Water Source:	NA NA	Depth to	Bedrock:		
Time	Depth	UAST TO THE REAL PROPERTY.	DESCRIPTION	INA		MELL CO	9/21/2005 NSTRUCTION	
	(ft. bgs)		DEGGINI TION			WELL CO	NSTRUCTION	
15:15	0 - 5'		Tan sandy Silt; some clay; m	ottled, dry				
	6.4'		cobbles					
	10 - 12'		collected sample: wet, tan silty fi	n-med Sand.		_		
15:30	13'		refusal - will set scree	The state of the s				
						SURFACE		
						CASIME		
						چ ک	1 +3'	
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	1						H-II	
	<del>                                     </del>						1 G.	7.
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	1						9-19-	
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	t. of Environmental Remediation and Waste N		Project Name: Drilling Method:	PBWO/Casco Drive & Wash	Location: Sheet 1 of 1	Cas	co, Ma	airie
	temediation and waste in		Bit Diameter:	3 7/8"	Boring No.	MW	204	
	F BORING/WELL			4"		_		
-06 01	F BORING/WELL	-0	Casing Diameter:		Logged By:		ndolse	
	- A +		Total Depth: Sampling Method:	72' cuttings	Drilling Contractor Driller:			
	- a 🙀 e 🕂					IM.IV	adeau	
			Water Level:	dry	Latitude:			
			Start Time/Date: End Time/Date:		Longitude: Surface Elevation			
_			Discharge Rate:					
			Casing Depth:	NA NA	Casing Elevation Depth to Bedrock		_	
-			Drilling Water Source:	NA NA	Date:		9/22/2	005
'Ime	Depth (ft. bgs)		DESCRIPTION		WELL C			
9:45	15'		casing refusal - begin rot	ary drilling				
10:07	22'		large fracture - bit dropped 6" - los	st water circulation				
			moved to new loca	tion				
11:30	20'	h	it large fracture (at new location) -	lost water circulation				
13:45	21'	add 2 bag	s of mixed sakrete and 1/2 bag of	portland cement to borehol	е			
14:15			leave site					
			N 950 150		SURFALF CASING			
8:30		September 2	23, 2005 - resumed drilling - lost cir	culation once through conc	rete CASING			
9:00			out of water			>   5	$\Rightarrow \downarrow$	+3'
10:40	20.01	res	sume drilling - no water return - sta			+1	$\perp \parallel$	
44,00	26.8'		driller reports fracture (			1.7	[	G.S.
11:00	33' 36'		down to 300 gal of drillin	ig water				
11:20 12:05	30		out of water			3		
12.05	42'		resume drilling DRF			TING	+	
12:35	47.5'		out of water	-	TILL		-	
13:30	77.0		resume drilling			2		121
10.00	53.8'		DRF	**	777	77	7,	-13'
13:55	58'		DIN		BRX	1	1	
14:00	61'		out of water			1/1	1/	FRX WZ
14:40			resume drilliing		FIEX	1/	1/1	
	63'		DRF - denser after 64' possible li	thology change	1	3	3.5	- 26'
14:55	66'		change bit			1.5	1::1	
15:25			resume drilling w/new	/ bit		1:1		
15:35	69'		hard drilling - no water i	return		1.5	.,50	
15:45	72'		end of boring - set screen fro	om 52 - 72'		4. 1	1:3	
						`,	1.	
						12	12	-47'
					× ×	1/	1/	
					<u>Z</u>	//	1/	
						4	14	-50'
							1,2	Fex
						( ( ) ( )		
						75		52'
						1		
	<del>                                     </del>					)+ );;		
						1,11	13	n
						3,"		
					700	1,14		<del>-</del>
					-	7.7	1:1	Frex.
						13	137	
						1,3	4 2	
						,		72'
					SCRIETU	10-	SLOT	-
					FILTER.			
					SEAL:	PINTO	MITE	CHIDS

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	t. of Environment		Project Name:	PBWO/C		Location		Casco, Maine
	emediation and Waste		Drilling Method:	Drive & W	vash		1_of_1_	THULOOD
	on of Technical Service		Bit Diameter:	3 7/8"	-	Boring		MW-20B
_UG UF	BORING/WEL	.L	Casing Diameter:	4"	0 = 1	Logged		H.Andolsek
-	-		Total Depth:	20 tings	25"	Drilling	Contractor	Northern Test Boring
	- 9 👾 0		Sampling Method:	cuttings	+	Driller:		M.Nadeau
_			Water Level:	dry	-	Latitud		
			Start Time/Date: End Time/Date:		-	Longitu	ide: e Elevation:	
			Discharge Rate:		+		Elevation:	
			Casing Depth:	NA	-		o Bedrock:	13'
			Drilling Water Source:	NA NA	+	Date:	Dedirock.	9/22/2005
Time	Depth (ft. bgs)		DESCRIPTION				WELL CO	NSTRUCTION
14:30			begin drilling					
15:00	18.9'		Driller reports fracture					
	21.7'		DRF - large sean					
15:15	24 51	No water is ret	turning - fracture (below water table)		rate of 50	Ogpm.		
15:40	24.5'		still no water retur	721				
15:40 15:50		pulle	drive casing another2' to ed rods and added bentonite chips in		chire			
16:15	1 1	pulle	stop drilling for the d		viui 6.			
	1 1		71-F -11111 G 101 G10 G	•				
8:00			September 22, 2005 - resu	me drilling				
	25'		lost circulation again, will set shall					
								+3'
								63
								P
	ļ						TILL	2
	<b> </b>							
								3
								-13'
							Bex	7/ 1/1
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	<del>                                     </del>						— K	/ 上"焦"
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							· ·	18'
							5	
							1	-20
							FILTER	
							2 3	12
							7 15.1	
							15	-25'
							CCRAAL!	10-SLOT
							SCREEN!	10-SCOT OTZ SAND
							FILTER:	OTZ SIAND
							FILTER:	10-560T QTZ SAND BENTONITE CHIPS

aine Dept. of Environmental Protection		PBWO/Casco	Location:	Casco, Maine
Bureau of Remediation and Waste Management	Drilling Method:	Drive & Wash	Sheet_1_of_1_	Timeroca
Division of Technical Services	Bit Diameter:	3 7/8"	Boring No.	MW-20C
LOG OF BORING/WELL	Casing Diameter:	4"	Logged By:	H.Andolsek
	Total Depth:	13'	Drilling Contractor	: Northern Test Boring
- 0 D a	Sampling Method:	cuttings	Driller:	M.Nadeau
	Water Level:	dry	Latitude:	
	Start Time/Date:		Longitude:	
	End Time/Date:		Surface Elevation	
ATRI	Discharge Rate:		Casing Elevation:	
	Casing Depth:	NA	Depth to Bedrock:	
	Drilling Water Source:	NA	Date:	9/21/2005
Fime Depth (ft. bgs)	DESCRIPTION		WELL CO	NSTRUCTION
11:30	begin drilling - no samp	oles		
13'	refusal - set overburden			
No	te: due to the dry conditions, the overbur			
	Sampling should occur during the spri			
			disark.	
			SUM FACE CASING	
			CASING	→ 1-3'
			CASING	+3'
			CASING	<b>→</b>
			CASING	6.5
			CASING	<b>→</b>
			CASING	6.5
			CASING	G.S
			CASING	G.5
			CASING	6.5 3 1 5 5 -4'
			CASING	G.S
			CASING	6.5
			CASING	6.5
			CASING-	6.5
			CASING	6.5
			CASING-	6.5
			CASING-	G.S
			CASING-	G.5
			CASING-	6.5
			CASING-	6.5
			CASING-	6.5
			CASING  CASING  SCREEN.	6.5 3 4 -4 -6 -13
			SURPERN:	6.5 -4 -6 -8 -13 6-5 6-5 6-5 6-5 6-5 6-5 6-5 6-5
			SURPERN:	6.5 3 4 -4 -6 -13
			SURPERN:	6.5 -4 -6 -8 -13 6-5 6-5 6-5 6-5 6-5 6-5 6-5 6-5